

HLA loci

APPENDIX A  
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## Names for genes in the HLA region

Name	Previous equivalents	Molecular characteristics
HLA-A	-	Class I $\alpha$ -chain
HLA-B	-	Class I $\alpha$ -chain
HLA-C	-	Class I $\alpha$ -chain
HLA-E	E, '6.2'	associated with class I 6.2-kB Hind III fragment
HLA-F	F, '5.4'	associated with class I 5.4-kB Hind III fragment
HLA-G	G, '6.0'	associated with class I 6.0-kB Hind III fragment
HLA-H	H, AR, '12.4'	Class I pseudogene associated with 5.4-kB Hind III fragment
HLA-J	cda12	Class I pseudogene associated with 5.9-kB Hind III fragment
HLA-K	HLA-70	Class I pseudogene associated with 7.0-kB Hind III fragment
HLA-L	HLA-92	Class I pseudogene associated with 9.2-kB Hind III fragment
HLA-DRA	DR $\alpha$	DR $\alpha$ -chain
HLA-DRB1	DR $\beta$ I, DR1B	DR $\beta$ 1-chain determining specificities DR1, DR2, DR3, DR4, DR5 etc.
HLA-DRB2	DR $\beta$ II	pseudogene with DR $\beta$ -like sequences
HLA-DRB3	DR $\beta$ III, DR3B	DR $\beta$ 3-chain determining DR52 and Dw24, Dw25, Dw26 specificities
HLA-DRB4	DR $\beta$ IV, DR4B	DR $\beta$ 4-chain determining DR53
HLA-DRB5	DR $\beta$ V	DR $\beta$ 5-chain determining DR51
HLA-DRB6	DRBX, DRB $\sigma$	DRB pseudogene found on DR1, DR2 and DR10 haplotypes.
HLA-DRB7	DRB $\psi$ 1	DRB pseudogene found on DR4, DR7 and DR9 haplotypes.
HLA-DRB8	DRB $\psi$ 2	DRB pseudogene found on DR4, DR7 and DR9 haplotypes.
HLA-DRB9	M4.2 $\beta$ exon	DRB pseudogene, isolated fragment
HLA-DQA1	DQ $\alpha$ 1, DQ1A	DQ $\alpha$ -chain as expressed
HLA-DQB1	DQ $\beta$ 1, DQ1B	DQ $\beta$ -chain as expressed
HLA-DQA2	DX $\alpha$ , DQ2A	DQ $\alpha$ -chain-related sequence, not known to be expressed
HLA-DQB2	DX $\beta$ , DQ2B	DQ $\beta$ -chain-related sequence, not known to be expressed
HLA-DQB3	DV $\beta$ , DQB3	DQ $\beta$ -chain-related sequence, not known to be expressed

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HLA-DOA **	DZ $\alpha$ , DO $\alpha$ , DNA	DO $\alpha$ -chain
HLA-DOB	DO $\beta$	DO $\beta$ -chain
HLA-DMA	RING6	DM $\alpha$ -chain
HLA-DMB	RING7	DM $\beta$ -chain
HLA-DPA1	DP $\alpha$ 1, DP1A	DP $\alpha$ -chain as expressed
HLA-DPB1	DP $\beta$ 1, DP1B	DP $\beta$ -chain as expressed
HLA-DPA2	DP $\alpha$ 2, DP2A	DP $\alpha$ -chain-related pseudogene
HLA-DPB2	DP $\beta$ 2, DP2B	DP $\beta$ -chain-related pseudogene
TAP1	RING4, Y3, PSF1	ABC (ATP Binding Cassette) transporter
TAP2	RING11, Y1, PSF2	ABC (ATP Binding Cassette) transporter
LMP2	RING12	Proteasome-related sequence
LMP7	RING10	Proteasome-related sequence
MICA	MICA, PERB11.1	Class I chain-related gene
MICB	MICB, PERB11.2	Class I chain-related gene
MICC	MICC, PERB11.3	Class I chain-related pseudogene
MICD	MICD, PERB11.4	Class I chain-related pseudogene
MICE	MICE, PERB11.5	Class I chain-related pseudogene

\*\* The DOA gene has been recently renamed from its original designation of DNA, this is the only locus which has been renamed.

If you see question marks where there should be greek letters (e.g. "DR?"), you should update your browser, or try this version.